

Claims

1. A device for discharging skin treatment material from a user's forearm to said user's skin, the device comprising in combination:

(a) a dispenser containing said material;

(b) actuation means for dispensing said material; and

(c) attachment means for affixing said dispenser to said user's forearm.

said device attachable to said user's forearm in the proximity of said user's wrist and ejecting an amount of said skin treatment material onto said user's skin when said actuation means is exercised by said user, said dispenser thereby providing the capability of convenient, portable application of said skin treatment material to said user's skin and other skin surfaces.

2. A device as recited in claim 1 wherein said attachment means affixes said dispenser to the top side of said user's wrist.

3. A device as recited in claim 1 wherein said attachment means affixes said dispenser in adjustable fashion to said user's wrist so that said dispenser can be positioned at an arbitrary location along the circumference of said user's wrist, whereby said skin treatment material can be ejected onto the top, side, bottom of said user's skin.

4. A device as recited in claim 1 which includes

(a) a reservoir containing said skin treatment material;

(b) a push button actuated pump mechanism;

(c) a return spring mechanism; and

(d) nozzle means,

said push button actuated pump mechanism serving to dispense said skin treatment material from said reservoir through said nozzle means upon actuation and said return spring mechanism serving to restore the state of said pump mechanism for a next dispensing.

5. A device as recited in claim 4 wherein said reservoir serves as containment for packets of said skin treatment material.

6. A device as recited in claim 1 wherein said dispenser is a squeeze bottle and said actuation means comprises compressive deformation of said squeeze bottle.

7. A device as recited in claim 6 wherein said dispenser contains an internal bladder for segregating an air volume internal to said dispenser from the volume of said skin treatment material, thereby allowing the use of said dispenser at arbitrary orientations with respect to gravity.

8. A device as recited in claim 6 wherein said dispenser includes check valve means for preventing the leakage of said skin treatment material.

9. A device as recited in claim 1 wherein said dispenser is a pressure-multiplying dispenser providing relatively high pressure ejection of said skin treatment material upon application of light compressive force to said dispenser.

10. A device as recited in claim 1 wherein said dispenser is plunger-based dispenser.

11. A device as recited in claim 1 wherein said dispenser includes a functional watch.

12. A device as recited in claim 1 wherein said dispenser is a drip dispenser including leak control means.

13. A device as recited in claim 1 wherein said dispenser is a gas-pressurized dispenser.
14. A device as recited in claim 1 wherein said actuation means includes an electric pump.
15. A device as recited in claim 1 wherein said actuation means includes a piezoelectric pump.
16. A device as recited in claim 1 wherein said actuation means includes a solenoid pump.
17. A device as recited in claim 1 which includes means for adjusting the type of said ejection from streaming flow to spray.
18. A device as recited in claim 1 which is disposable.
19. A device as recited in claim 1 wherein said dispenser is removably attached to said attachment means.
20. A device as recited in claim 1 wherein said dispenser includes adjustable nozzle means.
21. A device as recited in claim 1 wherein said attachment means contains a working fluid volume in fluid communication with the interior of said dispenser so that said dispenser can be compressively-actuated by depression of said attachment means at a location on top of said user's wrist.
22. A method for discharging skin treatment material from a user's forearm into said user's skin, the method comprising the following steps:

(a) attaching a dispenser containing said skin treatment material to the wrist of said user's forearm;

(b) actuating said dispenser to eject said skin treatment material onto said user's skin.